EXPERIMENTAL PROJECT
FOR THE EVALUATION OF CRACK-SEALING MILLED PAVEMENT IN THE EFFORT TO REDUCE TRANSVERSE CRACKING
Annual Report

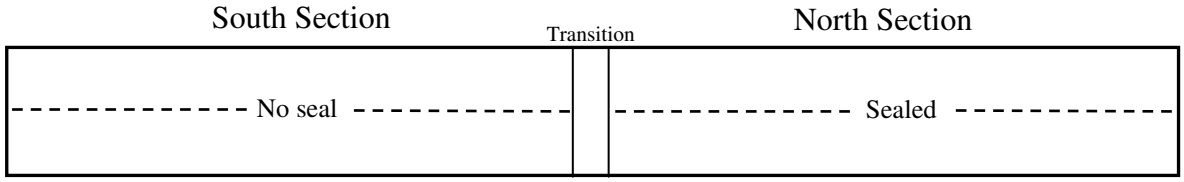
Location:	Teton County, Interstate 15, milepost 312; Northbound Lanes
Project Number:	Dutton N & S IM 15-6(35)309
Type of Project:	Crack-sealing of Milled AC Pavement
Principal Investigator:	Craig Abernathy Experimental Project Manager
Date Constructed:	August 2005
Evaluation Date:	June 2008

Objective

To determine if crack sealing milled pavement prior to overlay will deter the migration of transverse cracking, or have an effect on pavement performance, when compared to an adjacent milled pavement that receives no crack sealing.

Experimental Design

Two 1000 ft. sections were delineated during construction in the northbound lanes at approximately milepost 312. One section (north) received the normal crack seal procedure and the second section (south) received no treatment. A 100 ft. transition zone separates the two sections. As pavement distress becomes visible, a crack map of the sections will be completed to compare the progression of cracks to both sites.



Northbound I-15

Analysis

This project was constructed during the summer of 2005. As expected no cracks have appeared since construction. The project has been chipped sealed with no visible distress to report. The following images are sample shots during construction and project performance to date

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Grinding in process

Depth and width of grind

Sealed with Crafco Hot-applied Modified Asphalt Sealant


South Section: No Seal - 2006


North Section: Sealed - 2006


South Section: No Seal - 2007


North Section: Sealed - 2007


South Section: No Seal - 2008


North Section: Sealed - 2008

The next scheduled evaluation is in summer of 2009. To view this report online and other experimental projects go to: http://www.mdt.mt.gov/research/projects/dutton.shtml